

# Identifying Functions | Equations

A) State whether each equation represents a function.

1)  $4y^3 = 7x + 9$

2)  $-8x^4 = 2y^2$

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B) 1) Which of the following equations represents a function?

a)  $-12 = y^5 - x$     b)  $3 + 4x = y^8$     c)  $\frac{6x^2 + 7}{3} = y^2$     d)  $5y^6 = -2 + 9x$

2) Which of the following equations does not represent a function?

a)  $\frac{9y^7 - 5}{10} = x^8$     b)  $7y^2 - 11 = 8x$     c)  $3x + 7y^9 = 11$     d)  $-5 + 2y^5 = x$